

ENGLISH

Canon

**DIGITAL
IXUS 90 IS**

Getting Started Guide



Ensure that you read the Safety Precautions (inside rear cover).

DiG!C III


PictBridge


**DIRECT
PRINT**


**BUBBLE JET
DIRECT**


Exif Print


DPOF

CEL-SH7MA210

Confirming the Package Contents

The following items are included in the package. If something is missing, please contact the retail outlet at which you purchased the product.

1 Camera



**2 Battery Pack NB-5L
(with Terminal Cover)**



**3 Battery Charger
CB-2LX/CB-2LXE**



**4 Memory Card
(32MB)**



**5 Interface Cable
IFC-400PCU**



**6 AV Cable
AVC-DC400**



7 Wrist Strap WS-DC2





**8 Canon Digital Camera
Solution Disk**



**9 European Warranty
System (EWS)
Booklet**



10 User Guides

-  Getting Started Guide (this guide)
-  Canon Digital Camera Manuals Disk
- "Use of Genuine Canon Accessories Recommended" Leaflet

You may not be able to achieve the full performance of this camera with the included memory card.



You can use SD memory cards, SDHC (SD High Capacity) memory cards, MultiMediaCards, MMCplus cards and HC MMCplus cards in this camera. These cards are collectively referred to as memory cards in this guide.

Viewing the PDF Manuals



Adobe Reader must be installed to view the PDF Manuals. If this software is not installed in your computer, access the following web site and download the software.

<http://www.adobe.com>

Let's Get Started!

This guide is divided into the following two sections.

First...

Getting Started



This section explains how to prepare the camera for use and the basics of shooting, viewing and printing images. Start out by familiarizing yourself with the camera and mastering the basics.

Next...

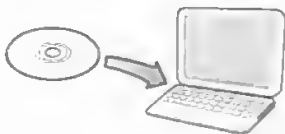
Learning More



Once you have mastered the basics, use the camera's many features to shoot more challenging photos. Details on using each function are described in this section, including how to connect the camera to a TV to view images, and how to make My Camera settings.



The PDF Manuals are included in the supplied CD-ROM.



Please Read

Test Shots

Before you try to photograph important subjects, we highly recommend that you shoot several trial images to confirm that the camera is operating and being operated correctly.

Please note that Canon Inc., its subsidiaries and affiliates, and its distributors are not liable for any consequential damages arising from any malfunction of a camera or accessory, including memory cards, that results in the failure of an image to be recorded or to be recorded in a way that is machine readable.

Warning Against Copyright Infringement

Please note that Canon digital cameras are intended for personal use and should never be used in a manner that infringes upon or contravenes international or domestic copyright laws and regulations. Please be advised that in certain cases the copying of images from performances, exhibitions, or commercial properties by means of a camera or other device may contravene copyright or other legal rights even if the image was shot for personal use.

Warranty Limitations

For information on your camera's warranty, please refer to the Canon European Warranty System (EWS) Booklet supplied with your camera.

For Canon Customer Support contacts, please see the European Warranty System (EWS) Booklet.

Camera Body Temperature

If your camera is used for prolonged periods, the camera body may become warm. Please be aware of this and take care when operating the camera for an extended period.

About the LCD Monitor

The LCD monitor is produced with extremely high-precision manufacturing techniques. More than 99.99% of the pixels operate to specification. Less than 0.01% of the pixels may occasionally misfire or appear as red or black dots. This has no effect on the recorded image and does not constitute a malfunction.



Video Format

Please set the camera's video signal format to the one used in your region before using it with a TV monitor.

Language Setting

Please see *Setting the Display Language* (p. 9) to change the language setting.

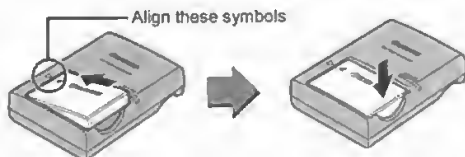
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Preparations

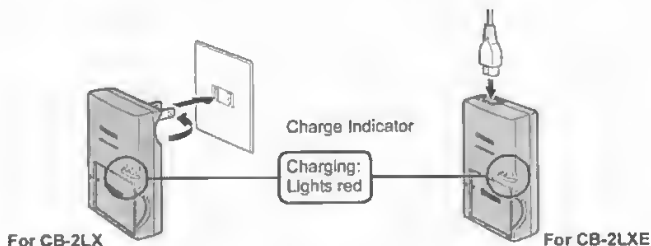
Charging the Battery

1. Insert the battery into the battery charger.



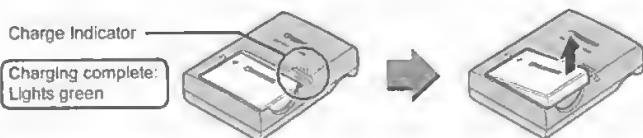
2. Plug the battery charger (CB-2LX) into a power outlet, or attach the power cord to the battery charger (CB-2LXE) and plug it into a power outlet.

- Battery charger model names and types vary by region.



3. Remove the battery after charging is complete.

- Charging takes approximately 2 hours 5 minutes.



To protect the battery and prolong its life, do not charge it for longer than 24 hours continuously.

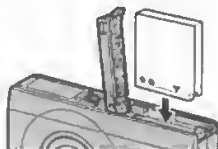
Installing the Battery and Memory Card

- 1. Slide the cover (①) and open it out (②).**

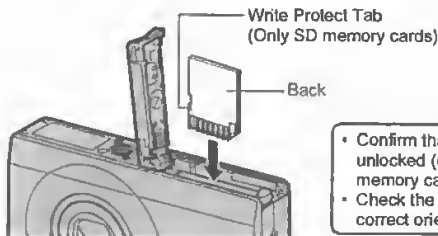


- 2. Insert the battery.**

- It will lock into place with a click.



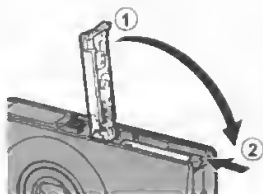
- 3. Insert the memory card until it clicks into place.**



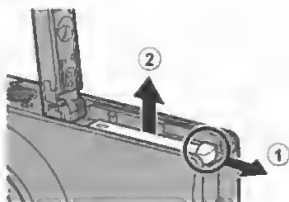
- Confirm that the write protect tab is unlocked (only SD and SDHC memory cards).
- Check the memory card for the correct orientation.



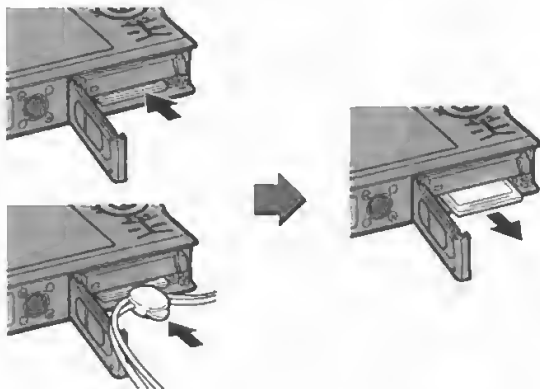
Ensure that the memory card is correctly oriented before inserting it in the camera. Inserting it backward may cause the camera to fail to recognize the memory card or to malfunction.

4. Close the cover (①, ②).**To Remove the Battery**

Press the battery lock in the direction of the arrow (①) and pull the battery out (②).

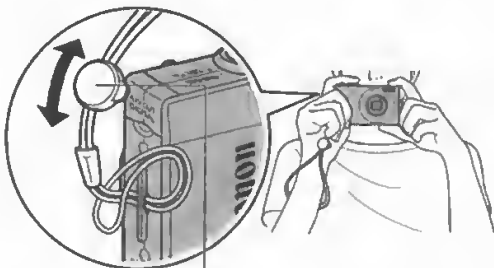
**To Remove the Memory Card**

Use a finger or the toggle on the wrist strap to push the memory card in until you hear a click, then release it.



Attaching the Wrist Strap

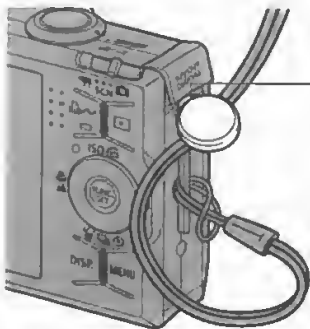
Use the wrist strap when using the camera to prevent yourself from accidentally dropping the camera.



Toggle

You can change its position on the strap. The toggle can be used to open the A/V OUT and DIGITAL terminal cover and when inserting or removing memory cards.

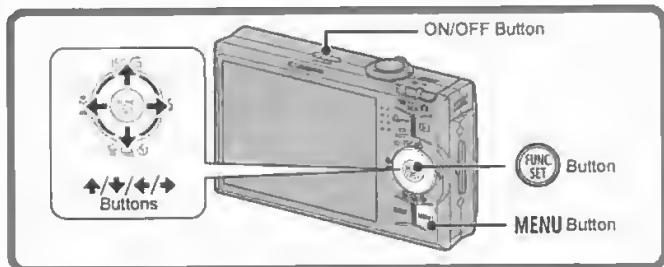
Use the Wrist Strap to Open the Terminal Cover



Hook your fingernail or the wrist strap toggle under the bottom edge of the A/V OUT and DIGITAL terminal cover to open it.

Setting the Date and Time

The Date/Time settings menu will appear the first time the power is turned on.





1. Press the ON/OFF button.
2. Select the month, day, year and time, and the display order.
 1. Use the \leftarrow or \rightarrow button to select a category.
 2. Use the \uparrow or \downarrow button to set the value.



3. Press the  button.

To Change a Previously Set Date/Time

Use the following procedures to display the Date/Time settings window, and then perform Steps 2 and 3 above.

1. Press the MENU button.
2. Use the \leftarrow or \rightarrow button to select the  (Set up) menu.
3. Use the \uparrow or \downarrow button to select [Date/Time].
4. Press the  button.

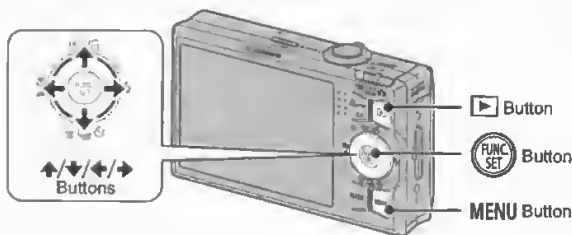











- A rechargeable lithium battery is built into the camera to save such settings as the date/time. Insert a charged battery into the camera. Or if you use the separately sold AC Adapter Kit ACK-DC30, the battery will charge in about four hours. It will charge even if the camera is turned off.
- The date/time settings may be lost after approximately three weeks if you remove the main battery. Reset the date/time settings if this occurs.

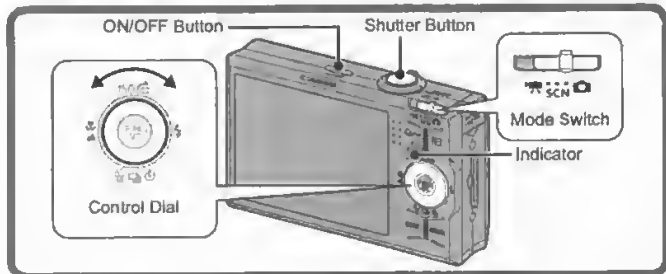
Setting the Display Language

You can change the language displayed in the LCD monitor menus and messages.



1. Press the  (Playback) button.
2. Hold down the  button and press the MENU button.
3. Use the , ,  or  button to select a language.
4. Press the  button.

Shooting Still Images (📷Auto Mode)

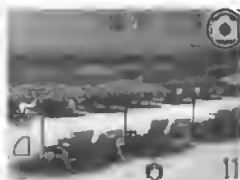


1. Press the ON/OFF button.

- The start-up sound will play and the start-up image will display in the LCD monitor.
- Pressing the ON/OFF button again turns the power off.

2. Select a shooting mode.

1. Set the mode switch to 📷 (Shooting).
2. Turn the control dial to select 📷 (Auto).



3. Aim the camera at the subject.

Avoiding Camera Shake

Keep your arms tight against your body while holding the camera firmly by the sides. Using a tripod is also effective.



Use the wrist strap to avoid dropping the camera during use.



Wrist Strap

4. Press the shutter button lightly (press halfway) to set the focus.

- When the camera focuses, it beeps twice and the indicator lights green (orange when the flash fires).

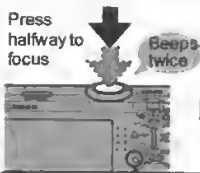
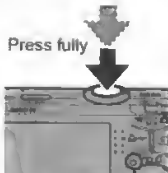
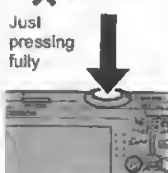
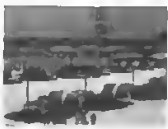
5. Without changing anything else, press the shutter button all the way (press fully) to shoot.

- The shutter sound will play once and the image will record.
- Recorded images are displayed on the LCD monitor for approximately 2 seconds immediately after shooting (Rec. review). Shooting is possible while the image is displayed.
- Holding down the shutter button after taking a shot will continue displaying the image.
- The indicator will blink green and the file will record to the memory card.

To Shoot Images in Focus

The camera automatically sets the focus when you press the shutter button halfway*.

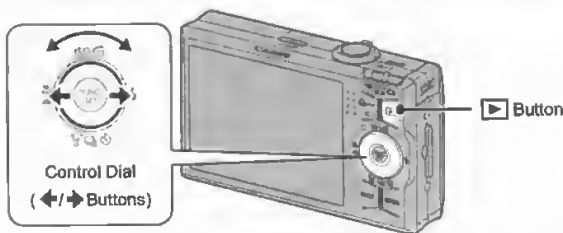
* The shutter button has a two-stage action. Pressing it down to the first stage is referred to as "pressing halfway".

Correct		Incorrect
<p>Press halfway to focus</p>  <p>Shooting preparations complete: Lights green (orange when the flash fires)</p>	<p>Press fully</p>  <p>Recording: Blinks green</p>	<p>✗ Just pressing fully</p>  <p>Recording: Blinks green</p>
 <p>AF frames will display in green on the LCD monitor at the points of focus.</p>		

Mute Setting

Pressing the **DISP.** button while turning on the camera power will silence all camera sounds except for warning sounds. Setting can be changed from the **[11]** (Set up) Menu [Mute].

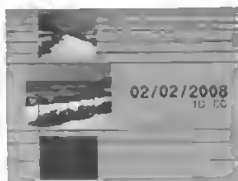
Viewing Still Images



1. Press the ▶ (Playback) button.

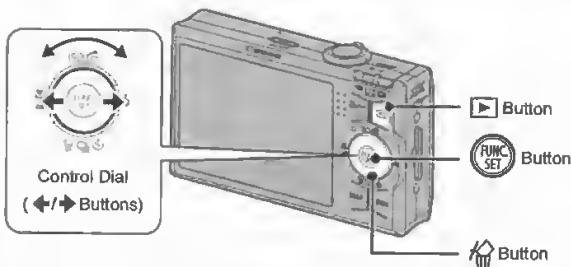
2. Use the \leftarrow or \rightarrow button to display the image you wish to view.






- Use the \leftarrow button to move to the previous image and the \rightarrow button to move to the next image.
- The images advance more quickly if you keep the button pressed continuously, but they will appear coarse.
- Use the control dial to select images. Turn the dial counterclockwise to view a previous image and clockwise to view the next image.



- Setting [Resume] to either [Last seen]* or [Last shot] in the ▶ (Play) menu allows you to specify the image to display in playback mode (* Default setting). If you select [Last seen], the last image viewed will display (Resume Playback).
- Following the procedure below will display the last image, regardless of the [Resume] setting.
 - Shooting an image
 - Changing the memory card
 - Editing an image on the memory card using a computer

Erasing

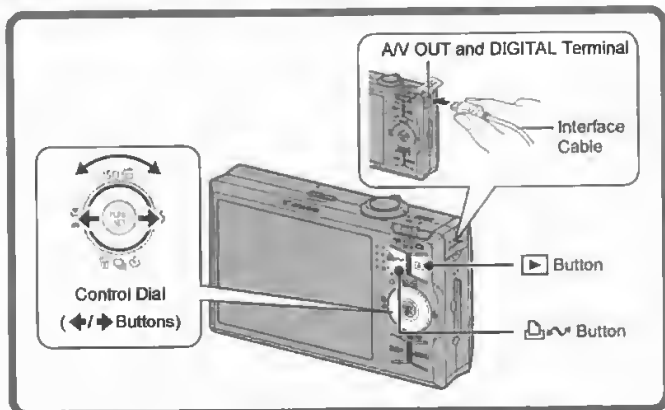


- 1. Press the  (Playback) button.**
- 2. Use the  or  button to select an image to erase and press the  button.**
 - You can select images by turning the control dial.
- 3. Confirm that [Erase] is selected and press the  button.**
 - To exit instead of erasing, select [Cancel].



Please note that erased images cannot be recovered. Exercise adequate caution before erasing an image.

Printing



1. Connect the camera to a direct print compatible printer.

- Hook your fingernail or the wrist strap toggle under the bottom edge of the camera's terminal cover to open it, then insert the interface cable all the way into the connector.
- See the printer's user guide for connection instructions.
- Printing is also possible using a non-Canon-brand printer provided the printer is PictBridge compliant. Refer to the *Direct Print User Guide* for details.

2. Turn on the printer.


3. Press the camera's ▶ (Playback) button to turn on the power.

- The Print button will light blue.

4. Use the ◀ or ▶ button to select an image to print and press the Print button.

- You can select images by turning the control dial.
- The Print button will blink blue and printing will start.
- After you finish printing, turn off the camera and the printer and disconnect the interface cable.









Printing From a Print List

You can add images directly to a print list by merely pressing the  button immediately after shooting or while playing back images. You can then print the images from the print list, when connecting the camera to a printer.

Adding to a Print List

1. Press the  button (still images only).

2. Add to the print list.

1. Use the  or  button to set the number of copies to print.
2. Use the  or  button to select [Add].
3. Press the  button.
 - To remove an image from the print list, press the  button again, select [Cancel] using the  or  button, then press the FUNC./SET button.








Printing Images in a Print List

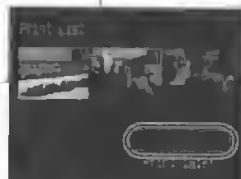
This explanation is based on the use of a Canon SELPHY ES series or SELPHY CP series printer.

1. Connect the camera to your printer.

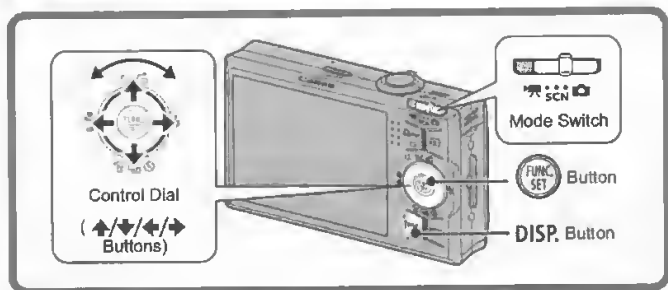
2. Print images.

1. Use the  or  button to select [Print now].
 - Use the  or  button to confirm the images added to the print list.
2. Press the  button.
 - Printing will begin.
 - If printing is halted and resumed, printing will start from the next image in the queue.


Number of copies to print



Embedding the Date in the Image Data



This section explains how to embed date information on images as they are recorded (Date Stamp).

- The date stamp cannot be deleted from the image data once it has been embedded. Ensure that the camera's date/time is set correctly beforehand (p. 8).
- The image size is fixed to 2M (1600 x 1200) setting and the compression to  (Fine) (appropriate for printing L-size or postcard-size prints).










1. Select a shooting mode.

1. Set the **mode switch** to  (Shooting).

2. Turn the **control dial** to select  (Auto).


- Shooting modes other than  can be selected (except for ,  (Stitch Assist), and ).

2. Select [Date Stamp].

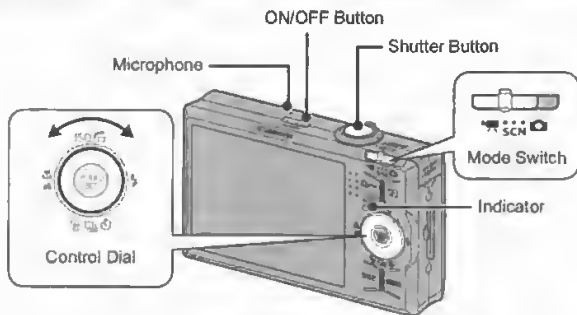
1. Press the  button.
2. Use the  or  button to select .
3. Use the  or  button to select .
 - The area which will not be printed will appear gray.
 - Press the **DISP.** button, then use the  or  button to select [Date/Time].



You can use the following methods to imprint the date on images lacking Imprinted date stamps.

- **Set with the camera's Digital Print Order Format (DPOF) function.**
Set the [Date] option to [On] in [Print Settings] in the  (Print) menu.
- **Connect the camera to a printer and imprint the date.**
See the *Direct Print User Guide*.
- **Insert a memory card into the printer and imprint the date.**
See your printer user guide.
- **Use the supplied software.**
See the *Software Starter Guide*.

Shooting Movies (Standard Mode)



1. Press the ON/OFF button.

2. Select a shooting mode.

1. Set the mode switch to  (Movie).
2. Turn the control dial to select  (Standard).

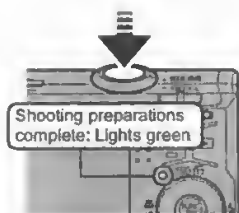
3. Aim the camera at the subject.



- Do not touch the microphone while recording.
- Do not press any buttons other than the shutter button. The sound that buttons make will be recorded in the movie.

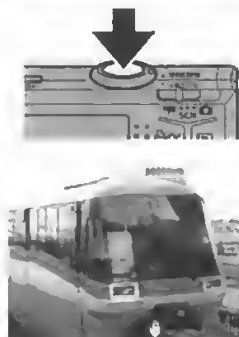
4. Press the shutter button lightly (press halfway) to set the focus.

- An electronic beep will sound twice and the indicator will light green when the camera focuses.
- The exposure, focus and white balance are automatically set when you press the button halfway.



5. Without changing anything else, press the shutter button all the way (press fully) to shoot.

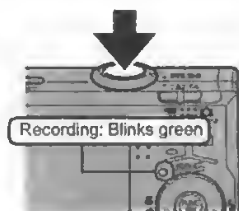
- Recording starts.
- During the recording, the elapsed recording time and [●Rec.] will display in the LCD monitor.



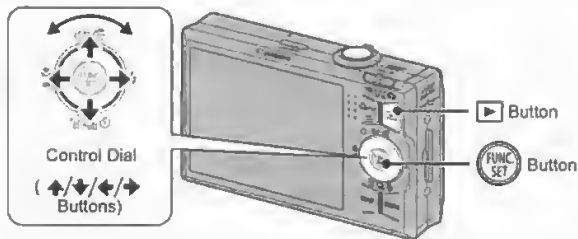
Elapsed Time

6. Press the shutter button again (press fully) to stop recording.


- The indicator will blink green and the data will be recorded onto the memory card.
- Recording will stop automatically when the maximum recording time elapses, or the built-in memory or memory card become full.



Viewing Movies



1. Press the ▶ (Playback) button.
2. Use the ← or → button to display a movie and press the  button.

- Images with a  icon are movies.
- You can switch between images by turning the control dial.



3. Use the ← or → button to select ▶ (Playback) and press the  button.

- The movie will start playing.
- If you press the **FUNC./SET** button during playback, you can pause and restart the movie.
- You can adjust the playback volume with the ↑ or ↓ button.



Downloading Images to a Computer

You are recommended to use the supplied software to download images to your computer.

Items to Prepare

- Camera and computer
- Canon Digital Camera Solution Disk supplied with the camera
- Interface cable supplied with the camera

System Requirements

Please install the software on a computer meeting the following minimum requirements.

Windows

OS	Windows Vista Windows XP Service Pack 2 Windows 2000 Service Pack 4	
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.	
CPU	Windows Vista Windows XP/Windows 2000	Pentium 1.3 GHz or higher Pentium 500 MHz or higher
RAM	Windows Vista Windows XP/Windows 2000	512 MB or more 256 MB or more
Interface	USB	
Free Hard Disk Space	<ul style="list-style-type: none"> • Canon Utilities - ZoomBrowser EX 200 MB or more - PhotoStitch 40 MB or more • Canon Camera TWAIN Driver 25 MB or more 	
Display	1,024 x 768 pixels/High Color (16 bit) or better	

Macintosh

OS	Mac OS X (v10.3 – v10.4)	
Computer Model	The above OS should be pre-installed on computers with built-in USB ports	
CPU	PowerPC G3/G4/G5 or Intel Processor	
RAM	256 MB or more	
Interface	USB	
Free Hard Disk Space	<ul style="list-style-type: none"> • Canon Utilities - ImageBrowser 300 MB or more - PhotoStitch 50 MB or more 	
Display	1,024 x 788 pixels/32,000 Colors or better	

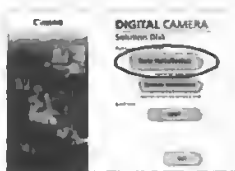
Preparing to Download Images

When using Windows 2000, make sure to install the software first before connecting the camera to the computer.

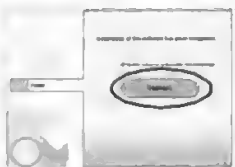
1. Installing the software.

Windows


1. Place the Canon Digital Camera Solution Disk in the computer's CD-ROM drive.
2. Click [Easy Installation].
 - Follow the onscreen messages to proceed with the installation.



3. Click [Restart] or [Finish] once the installation is complete.
 - When the installation is finished, [Restart] or [Finish] will display. Click the button that appears.
4. Remove the CD-ROM from the drive when your normal desktop screen appears.



Macintosh

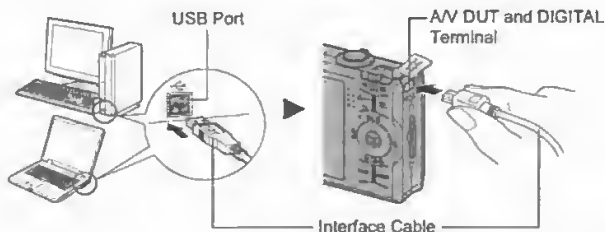
Double-click the  icon in the CD-ROM window. When the installer panel appears, click [Install]. Follow the onscreen instructions to proceed.



2. Connecting the camera to a computer.

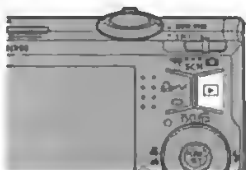
1. Connect the supplied interface cable to the computer's USB port and to the camera's A/V OUT and DIGITAL terminal.

- Hook your fingernail or the wrist strap toggle under the bottom edge of the camera's terminal cover to open it, then insert the interface cable all the way into the connector.



3. Preparing to download images to the computer.

1. Press the camera's  (Playback) button to turn on the power.

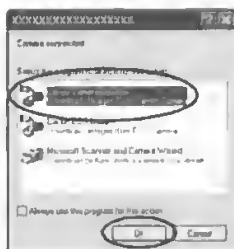


If the Digital Signature Not Found window appears, click [Yes]. The USB driver will automatically finish installing onto the computer when you attach the camera and open a connection.

4. Displaying CameraWindow.

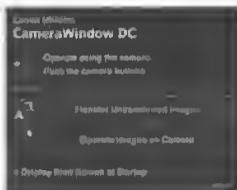
Windows

1. Select [Canon CameraWindow] and click [OK].



If this event dialog does not appear, click the [Start] menu and select [All Programs] or [Programs], followed by [Canon Utilities], [CameraWindow], [CameraWindow] and [CameraWindow].

CameraWindow will display.



Macintosh

CameraWindow will appear when you establish a connection between the camera and computer. If it fails to appear, click the [CameraWindow] icon on the Dock (the bar which appears at the bottom of the desktop).

Preparations for downloading images are now finished. Please proceed to the *Downloading Images Using the Camera (Direct Transfer)* section (p. 25) (except Windows 2000).

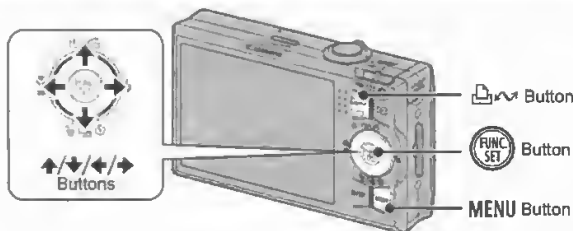


- Please refer to the *Software Starter Guide* regarding how to download images using the computer.
- With Windows 2000, you can download images using the computer.


Downloading Images Using the Camera (Direct Transfer)

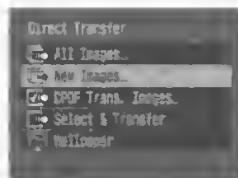
Use this method to download images using camera operations (except Windows 2000).

Install the software before downloading images via the Direct Transfer method for the first time (p. 22).



1. Confirm that the Direct Transfer menu is displayed on the camera's LCD monitor.

- The  button will light blue.
- Press the **MENU** button if the Direct Transfer menu fails to appear.








Direct Transfer Menu


2. Press the button.


- All images that have not already been transferred to the computer are transferred and saved to the computer.

You can also use the following options in the Direct Transfer menu to set the method for downloading images.

	All Images	Transfers and saves all images to the computer.
	New Images	Transfers and saves to the computer only the images that have not been previously transferred.
	DPOF Trans. Images	Transfers and saves to the computer only the images with DPOF Transfer Order settings.
	Select & Transfer	Transfers and saves single images to the computer as you view and select them.
	Wallpaper	Transfers and saves single images to the computer as you view and select them. The transferred images display as the background on the computer desktop.




All Images/New Images/DPOF Trans. Images

1. Use the \uparrow or \downarrow button to select , , or  and press the  button.

- The images will download. The  button will blink blue while downloading is in progress.
- The display will return to the Direct Transfer menu when the download is complete.
- To cancel the download, press the **FUNC./SET** button.



Select & Transfer/Wallpaper

1. Use the \uparrow or \downarrow button to select  or  and press the  (or ) button.

2. Use the **←** or **→** button to select images to download and press the **⏏** button.

- The images will download. The **⏏** button will blink blue while downloading is in progress.

3. Press the **MENU** button after downloading finishes.

- You will return to the Direct Transfer menu.



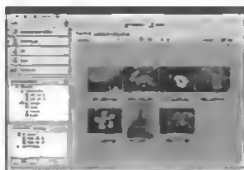
Only JPEG images can be downloaded as wallpaper for a computer.



The option selected with the **⏏** button is retained even when the camera's power is turned off. The previous setting will be in effect the next time the Direct Transfer menu is displayed. The image selection screen will appear directly when the [Select & Transfer] or the [Wallpaper] option was last selected.

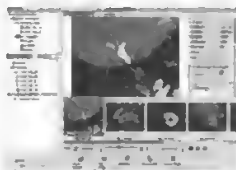
Click **✕** at the bottom right of the window to close the CameraWindow and the downloaded images will display on the computer.

■ Windows



ZoomBrowser EX

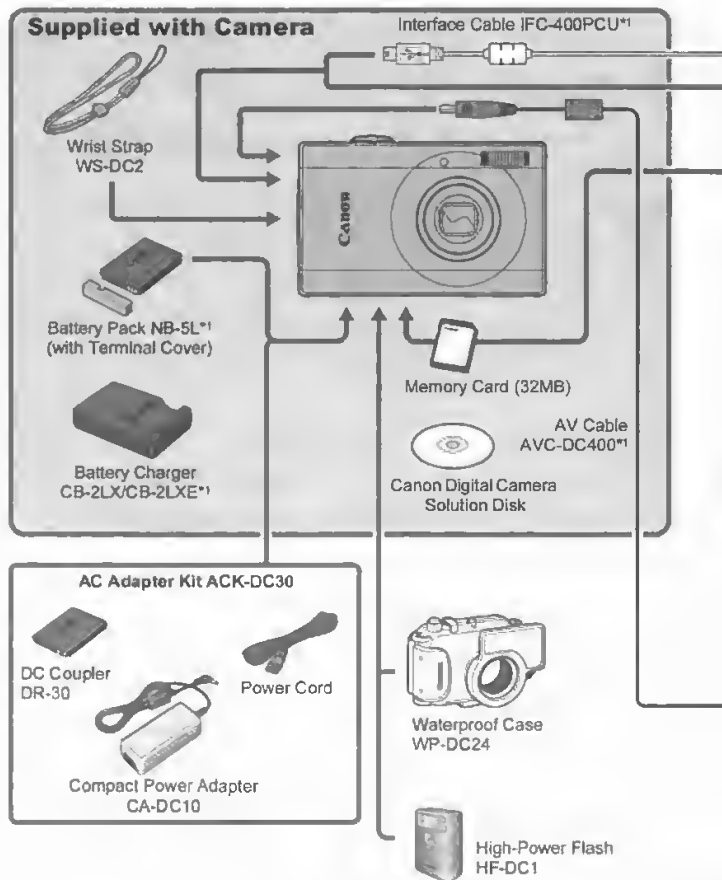
■ Macintosh

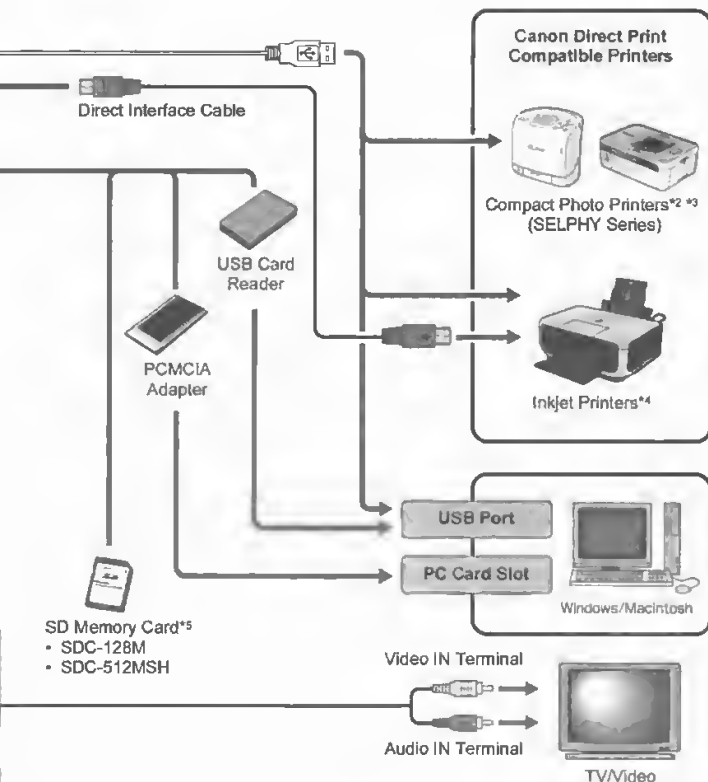


ImageBrowser

By default, images are saved on the computer in folders according to the shooting date.

System Map





*1 Also available for purchase separately.

*2 See the user guide supplied with the printer for more information on the printer.

*3 This camera can also be connected to the CP-10/CP-100/CP-200/CP-300.

*4 See the user guide supplied with the inkjet printer for more information on the printer and interface cables.

*5 Not sold in some regions.

Optional Accessories

The following camera accessories are sold separately.

Some accessories are not sold in some regions, or may no longer be available.

■ Flash

- **High-Power Flash HF-DC1**

This attachable supplementary flash can be used to capture photographic subjects that are too distant for the built-in flash to illuminate.

■ Power Supplies

- **AC Adapter Kit ACK-DC30**

Kit for using power from a household electrical outlet. Recommended to power a camera for an extended period of time or when connecting to a computer (cannot be used to charge the camera).

- **Battery Charger CB-2LX/CB-2LXE**

An adapter for charging Battery Pack NB-5L.

- **Battery Pack NB-5L**

Rechargeable lithium-ion battery.

■ Other Accessories

- **SD Memory Card**

SD memory cards are used to store images recorded by the camera. Canon brand memory cards are available in 128 MB and 512 MB capacities.

- **Interface Cable IFC-400PCU**

Use this cable to connect the camera to a computer, Compact Photo Printer (SELPHY series), or to a inkjet printer*.

* Refer to the user guide included with your printer.

- **AV Cable AVC-DC400**

Use this cable to connect the camera to a TV set.

- **Waterproof Case WP-DC24**

When you attach this waterproof case to the camera, you can use it to take underwater shots at depths of up to 40 meters (130 feet), and of course it is ideal for taking worry-free pictures in the rain, at the beach, or on the ski slopes.

Direct Print Compatible Printers

Canon offers the following separately sold printers for use with the camera. You can produce photo quality prints quickly and easily by connecting them to the camera with a single cable and operating the camera's controls.

- **Compact Photo Printers (SELPHY series)**
- **Inkjet Printers**

For more information, visit your nearest Canon retailer.

Use of genuine Canon accessories is recommended.

This product is designed to achieve excellent performance when used with genuine Canon accessories. Canon shall not be liable for any damage to this product and/or accidents such as fire, etc., caused by the malfunction of non-genuine Canon accessories (e.g., a leakage and/or explosion of a battery pack). Please note that this warranty does not apply to repairs arising out of the malfunction of non-genuine Canon accessories, although you may request such repairs on a chargeable basis.



European Union (and EEA) only.

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.

For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com/environment. (EEA: Norway, Iceland and Liechtenstein)

Safety Precautions

Be sure to read, understand and follow the safety precautions below when using the camera, in order to prevent injury, burns or electrical shock to yourself and others.

Be sure to also read the safety precautions listed in the PDF version of the *Camera User Guide*.

Warnings

- Do not trigger the flash in close proximity to human or animal eyes.
- Store this equipment out of the reach of children and infants.
- Avoid dropping or subjecting the camera to severe impacts. Do not touch the flash portion of the camera if it has been damaged.
- Stop operating the equipment immediately if it emits smoke or noxious fumes.
- Do not handle the power cord if your hands are wet.
- Do not use batteries which are not specified for this camera.
- The compact power adapter output terminals have been designed exclusively for this equipment. Do not use them for other products.



Great camera. Great shots.
What about the prints?

you can
Canon

Printing has never been easier. Simply connect your Canon digital camera to a Canon SELPHY Compact Photo Printer, and create beautiful, lab quality borderless photos in seconds.